

AD 1267

The garden was blocked because of
an earthquake for perhaps 20 → 24 hours
here 1927, 1924 AD.

1267

Emperor Kublai Khan was presented with Arabian instruments for studying the stars skies by Jamā al Din, a Persian astronomer. Not long after, Kublai Khan also received instruments built by the leading Chinese astronomer Guo Shoujing (AD 1231 - 1316). Guo produced more than 10 instruments and 14 books. Copies of the 2 instruments he gave the Emperor still exist.

Guo initiated the scheme for measuring
latitudes for major cities. He set up 22
Observatories and calculated the latitudes
of 27 cities, based on the height of the Polar Star.
Guo made the Cal. more precise calculating
the solar yr as 365.2425 days only a few
sec (≈ 26 or 25) short of its true length. This
enabled him to predict eclipses of the sun to
within 1 hour. He formulated the theory
of interpolation

1267 - 1254
~~1235~~

Friar Roger Bacon (1214? - 1294)

of Oxford. The greatest figure in
medieval science. Born at
Ilchester, Somersetshire of wealthy
family. At Oxford & study came under
influence of the learned Franciscan
Robert Grosseteste (1175? - 1253); later
Bishop of Lincoln. About 1235, after receiving
master of Arts at Oxford, went to Paris. Received a
master's degree at Paris; some say also Dr. of Theology

Back at Oxford 1251; became Friar of Franciscan order

1257-1267 confined in Paris in a Franciscan monastery. Met De Foulques who became Pope Clement IV in 1265; ordered Bacon to set down his ideas he had been forbidden to teach. After 18 mos feverish activity; sent Pope 3 manuscripts outlining his views on mathematics, physics, philosophy, logic, grammar and philology

1267

In 1267 Kublai began to build his new Chinese Capital, DAIDU, next to the old Jin Capital of ZHONGDU (Today, both sites are within the modern city of Beijing) years earlier, as Mongol Commander in northern China, Kublai had built and ruled from SHANGDU (the city immortalized in verse by Samuel Taylor Coleridge) as XANADU.

1267

Friar Roger Bacon said
that the Equinox for this
year was not Mar. 21
but on "the third day before
the Ides of March"
= Mar. 12

a nine day difference
He calculated that by 1361 it
will be Mar 11

His cure was to drop a day from
the Cal. every 125 years. BUT he
said "no one has yet given us
the lengths of the year, with full
proof

He calculated a year length of
 $365d\ 5h\ and\ 49m = 365/242361$
d

1267
~~C1265~~

Puncan:Cal

Roger Bacon in his OPUS MAIUS
wrote that we should use experience
as well as reasoning.

He said nature had been established by
God & we should study it.

He wrote that in 1267 that the
Calendar was causing havoc for
devout Christians (because others
have rounded off errors - including
Bede). He said the Easter was not

being celebrated at its proper time
and he said that this would happen
in 1268 also

By Beem's day, the true equinox
had dropped back to Mar 14,
though the Church continued
to follow the practice of
~~ALFAB~~ NICAEA of rigidly
determining Easter according
to a fixed Mar. 21 Equinox
arbitrarily set at the Council
of Nicaea.

1267

Duncan:Cal

A sickly English Friar named
ROGER BACON sent a
letter to Pope Clement IV

- 1) There was a day discrepancy in Cal.
- 2) The Catholic Church was keeping
Easter & holyday incorrectly

His OPUS MAIUS

Hand Carried by a faithful servant

named John

1267

1912Dates' J-BK

England
Great mortality from plague

1267

Kublai concentrated on developing China. He proclaimed himself founder of a Chinese dynasty, which he named YUAN. He began in 1267 to raise a new capital. He called it Daidu "great capital" (we know it as BEIJING).

A banquet hall could seat 6,000
There were quarters for each of Kublai's
4 wives as well as for his many concubines.
Kublai fathered 22 sons by his wives.

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1267

Dominion of Italy passes
to the Pope

C 1267

KUBLAI KHAN builds Peking
and makes it his Capital

1267-1268

(C1244-1294)

Roger Bacon sent a memorandum
to Pope Clement IV who apparently
was not impressed.

About the discrepancy in
the Calendar. Vernal Equinox
is getting earlier & earlier
in March

He was a FRANCISCAN
learned in Hebrew & Greek